

IN THE CLAIMS:

Please amend the claims as follows.

1. (Currently Amended) Handover-method in a cellular radio system including base transceiver stations (BTS) and mobile stations (MS), in which cellular radio system at least two frequency bands are used, and wherein the method comprises the steps of:

transmitting by each base transceiver station transmits a broadcast intended for all mobile stations in a first frequency range, in which method;

starting handover to the second frequency range is started;

supplying a criterion for a conditional handover to a base transceiver station;

characterized in that

measuring bursts sent by a mobile station (MS) and relating to the handover signalling are measured at the base transceiver station (BTS);

comparing the measurement results are compared with a pre-established the criterion; and

when the criterion is met, completing the handover is completed only when the criterion is met.

2. (Currently Amended) Method as defined in claim 1, characterized in that wherein the method further comprises the steps of:

interrupting the handover is interrupted, when the established criterion is not met;
and

continuing the communication between mobile station and network is ~~continued~~ on the initial channel, from which the handover started.

3. (Currently Amended) Method as defined in claim 2, ~~characterized in that~~ wherein the method further comprises the step of notifying the mobile station (MS) is notified of the handover interruption.

C 4. (Currently Amended) Method as defined in claim 1, ~~characterized in that~~ wherein the method further comprises the step of measuring the signal level of the mobile station's bursts is measured.

5. (Currently Amended) Method as defined in claim 1, ~~characterized in that~~ wherein the method further comprises the step of measuring the signal-to-noise ratio of the mobile station's bursts is measured.

6. (Currently Amended) Method as defined in claim 1, ~~characterized in that a~~ pre-established wherein the criterion (K) is transmitted to the base transceiver station in connection with the channel assignment signaling (51).

7. (Canceled)

8. (Currently Amended) Method as defined in claim 1, ~~characterized in that~~
wherein the method further comprises the step of measuring, at the base transceiver
station, on a new channel assigned for the connection the bursts of connection request
signalling (25) received from the mobile station ~~are measured at the base transceiver~~
~~station.~~

9. (Currently Amended) Method as defined in claim 1, ~~characterized in that~~
wherein the method further comprises the step of measuring, at the base transceiver
station, the bursts of link connection set up signalling (32) received from the mobile
station ~~are measured at the base transceiver station.~~

10. (Currently Amended) Method as defined in claim 1, ~~characterized in that~~
wherein the first frequency range is a frequency range of a lower frequency than the
second frequency range.

11. (Currently Amended) Handover-method in a cellular radio system including
base transceiver stations (BTS) and mobile stations (MS), ~~in which method handover~~
~~from an initial channel to a target channel is started, characterized in that~~ wherein the
method comprises the steps of:

starting handover from an initial channel to a target channel;

supplying a criterion for a conditional handover to a base transceiver station;

measuring bursts transmitted by the mobile station (MS) and relating to the handover;

signalling ~~are measured~~ at the base transceiver station (BTS),

comparing the measurement results ~~are compared~~ with a ~~pre-established~~ the criterion; and

when the criterion is met, completing the handover is completed only when the criterion is met.

12. (Currently Amended) Method as defined in claim 11, ~~characterized in that~~ wherein the method further comprises the step of:

interrupting the handover ~~is interrupted~~, when the ~~established~~ criterion is not met; and

continuing the communication between the mobile station and the network is ~~continued~~ on the initial channel, from which handover started.

13. (Currently Amended) Method as defined in claim 12, ~~characterized in that~~ wherein the method further comprises the step of notifying the mobile station (MS) is notified of the handover interruption.

14. (Currently Amended) Method as defined in claim 11, ~~characterized in that in the method~~ wherein the method further comprises the step of measuring the signal level of the mobile station's bursts is measured.

15. (Currently Amended) Method as defined in claim 11, ~~characterized in that~~
wherein the method further comprises the step of measuring the signal-to-noise ratio of
the mobile station's bursts ~~is measured~~.

16. (Currently Amended) Method as defined in claim 11, ~~characterized in that a~~
~~pre-establishing~~ wherein the criterion (~~K~~) is transmitted to the base transceiver station in
connection with the channel assignment request signaling (~~51~~).

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17. (Canceled)

18. (Currently Amended) Method as defined in claim 11, ~~characterized in that~~
wherein the method further comprises the step of measuring, at the base transceiver
station, on the target channel the bursts of the connection request signalling (~~25~~) received
from the mobile station are measured at the base transceiver station.

19. (Currently Amended) Method as defined in claim 11, ~~characterized in that~~
wherein the method further comprises the step of measuring, at the base transceiver
station, the signal of the link connection set up signalling (~~32~~) received from the mobile
station ~~is measured at the base transceiver station~~.

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20. (Currently Amended) Mobile communications system including base

transceiver stations (~~BTS~~) and mobile stations (~~MS~~), ~~characterized in that~~ wherein the mobile communications system is adapted

to start a conditional handover and to supply a criterion (~~K~~) for the conditional handover to the base transceiver station,

to measure the signal of the mobile station's (~~MS~~) handover signalling at the base transceiver station (~~BTS~~),

to compare the measurement results with the ~~pre-established~~ criterion (~~K~~), and

to interrupt the handover, when the mobile station signal as a result of the comparison does not meet the ~~pre-established~~ criterion.

21. (Currently Amended) Base transceiver station including a handover-signalling unit for controlling the handover signalling, ~~characterized in that~~ wherein the base transceiver station also includes

measuring means (~~82~~) for measuring the signal of the handover signalling received from the mobile station (~~MS~~), and

comparison means (~~83~~) for comparing the measurement results of the measuring means with the pre-established criterion (~~K~~) for continuation of handover, whereby as a result of the comparison a control signal is obtained for the handover-signalling unit (~~81~~).